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CT (US)(51) **Int. Cl.⁷** **H01M 4/62; H01M 4/50**
(52) **U.S. Cl.** **429/232; 429/224****Correspondence Address:**
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Boston, MA 02110-2804 (US)(57) **ABSTRACT**

A primary alkaline battery includes a cathode having manganese dioxide and carbon particles, an anode, a separator and an alkaline electrolyte. The carbon particles include expanded graphite particles and non-expanded graphite particles. The expanded graphite particles have a kerosene absorption greater than about 2.7 milliliters per gram.

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